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## AMENDMENTS TO THE CLAIMS

(Previously Presented) An auxiliary light source device for a reflective liquid crystal display device having a reflector, the auxiliary light source device comprising:

a light source; and

a light directing member for directing incident light from the light source toward the reflector outwardly along an orthogonal direction, the light directing member including,

a lower surface having a plurality of convex portions extending from the lower surface, each of the convex portions having a substantially planar surface which is substantially parallel to the lower surface, and an angle between the lower surface and a surface connecting the planar surface of the convex portion is about 90°, wherein light reflected along an orthogonal direction to the liquid crystal display device is uniform.

2. (Original) The device according to claim 1, further comprising:

a light reflecting member to guide light from the light source into the light directing member.

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3. (Original) The device according to claim 1, wherein a spacing

between the convex portions decreases with increasing distance from the light

source.

4. (Original) The device according to claim 3, wherein the spacing

between adjacent convex portions of the lower surface of the light directing

member is in a range of 10μm to 1000μm.

5. (Cancelled).

6. (Previously Presented) The device according to claim 1, wherein the

planar surface of each convex portion has a substantially circular shape.

7. (Original) The device according to claim 1, wherein the planar

surface of each convex portion has a rectangular shape.

8. (Original) The device according to claim 1, wherein the plane

surface of the plurality of convex portions has a bar shape extending

perpendicular to a direction of light propagation in the light directing member.

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9. (Original) The device according to claim 1, wherein a distance

between the lower surface and the planar surface of the each convex portion is

less than 50µm.

10. (Currently Amended) A reflective liquid crystal display device,

comprising:

a display panel including two substrates spaced apart, liquid crystal

sandwiched between the two substrates, and a reflector in the display panel to

reflect light through the liquid crystal;

an auxiliary light source device for supplying light to the display panel,

including,

a light source,

a light directing member for directing incident light from the light

source toward the display panel, the directing member having a lower surface

having a plurality of convex portions, each having a substantially planar

surface which is substantially parallel to the lower surface, an angle between

the lower surface and a surface connecting the planar surface of the convex

portion being about 90°, wherein light reflected along an orthogonal direction

to the display panel is uniform; and

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a light reflecting member which guides light from the light source into

the light directing member, said display panel being between said auxiliary

light source and said light reflecting member.

11. (Previously Presented) An auxiliary light source device for a

reflective liquid crystal display device having a reflector, the auxiliary light

source device comprising:

an upper reflective surface to reflect impinging light above a certain

incidence angle;

a lower reflective surface having a plurality of convex portions extending

toward the reflector to direct light from the auxiliary light source device to the

reflector outwardly along an orthogonal direction; and

an entry surface connecting the upper and lower reflective surfaces

through which light from a light source enters, wherein each convex portion

includes a planar portion and sides connecting the planar portion with the

lower reflective surface, and an angle between the lower surface and the sides

is about 90°, wherein light reflected along an orthogonal direction to the liquid

crystal display device is uniform.

12. Cancelled.

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13. Cancelled.

14. (Previously Presented) The device according to claim 11, wherein

the planar portion is substantially parallel to the lower reflective surface.

15. (Original) The device according to claim 11, wherein a cross

section of each convex portion is substantially circular.

16. (Original) The device according to claim 11, wherein a cross

section of each convex portion is rectangular.

17. (Original) The device according to claim 11, wherein each convex

portion extends along substantially an entire width of the reflective liquid

crystal display device.

18. (Original) The device according to claim 11, wherein the plurality

of convex portions are spaced along the lower surface to ensure a uniform

distribution of light along a length of the device.

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19. (Original) The device according to claim 18, wherein the

plurality of convex portions are spaced closer together with increasing

distance from the entry surface.

20. (Original) The device according to claim 19, wherein a spacing

between adjacent convex portions is in a range of 10µm to 1000µm.

21. (Previously Presented) An auxiliary light source device for a

reflective liquid crystal display device having a reflector, the auxiliary light

source device comprising:

a light source extending along a width of the reflector, to emit light along

a length of the reflector; and

a light directing device located above the reflector and adjacent to the light

source to direct light from the light source to the reflector outwardly along an

orthogonal direction such that a light distribution of light directed by the light

directing device is substantially uniform along the length of the reflector, and

such that the directed light is substantially perpendicular to the reflector, and

the light directing device includes a plurality of portions extending toward the

reflector at a 90° angle such that the light reflected outwardly along an

orthogonal direction to the liquid crystal display device is uniform, a spacing

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between the portions decreasing along the length of the reflector with increasing

distance from the light source.

22. Cancelled.

23. (Previously Presented) The device according to claim 21, wherein

the spacing between adjacent portions is in a range of 10µm to 1000µm and a

width of each portion is less than 100µm.

24. (Previously Presented) The device according to claim 21, wherein

each of the plurality of portions includes a planar surface parallel to a lower

surface of the light directing device and connected to the lower surface by at

least one side oriented substantially perpendicular to the lower surface.